
Internet access is a human right!

Free communication in digital networks

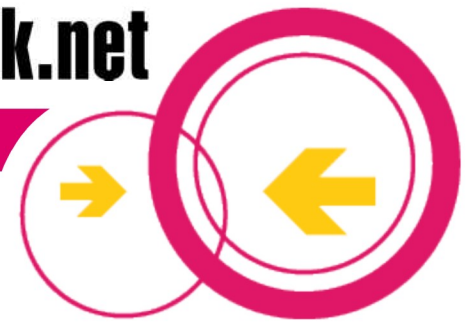
Sep 4, 2016

Monic Meisel, @monic2001

Co-founder of freifunk.net

Member of board of Förderverein freie Netzwerke e.V.



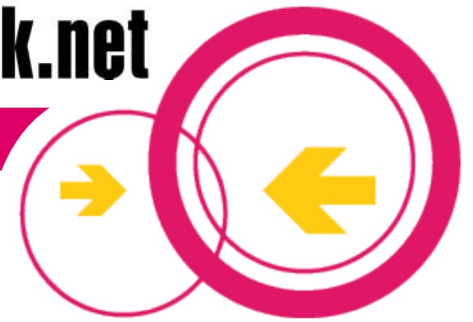


In 2000 Nicholas Negroponte said*

- Access to this 'Brave New World' does require some significant technology and infrastructure which businesses are not just going to give away.
- **How can we avoid creating an unwired digital underclass?**
- **By making access a human right.**
- Worldwide access for all people is a real goal, no different from any basic form of health, education and welfare.

* Gründer des MIT Media Labs, One Laptop per Child, Autor, Angel Investor





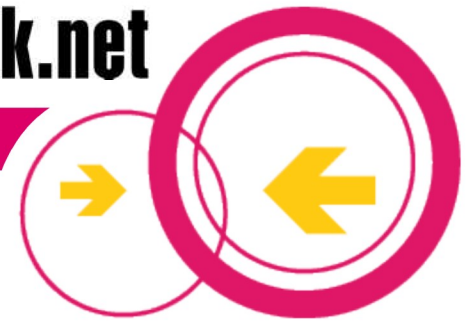
Access is a human right

Without access to the internet and its contents people can't take part on the space of possibilities of the internet

(UN Human Rights Council confirmed several times, recently in Resolution of 2014)

„everyone shall have the right to Internet access as an essential requirement for exercising rights under the European Convention on Human Rights.”

(Resolution of the Parliamentary Assembly of the Council of Europe „The right to Internet access“)



Precondition to exercise other rights

- Access to the internet is precondition to exercise communication liberties.
- For freedom of expression and freedom of speech

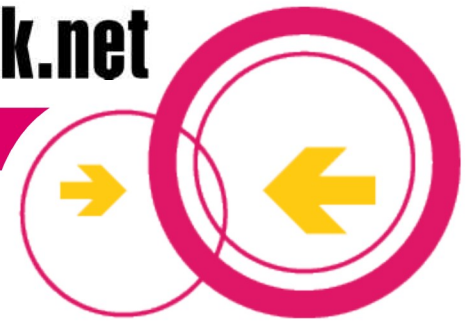
(Report of the Special Rapporteur on the promotion and protection of the right to freedom of opinion and expression)

- Without access there's no freedom of expression with free choice of communication channels

(Article 19(2) of International Covenant on Civil and Political Rights)

Bild: [Jennifer Moo](#) (CC-Lizenz)



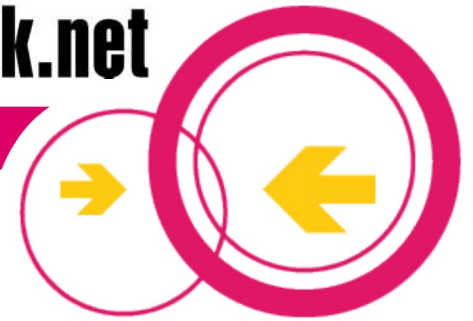


Further (German) constitutional rights

- Freedom of information
- Fundamental right on social integration
- Freedom of petition
- General right of personality
- Fundamental right on „human dignified breadline“
(Bundesverfassungsgericht Hartz IV Urteil 2010)

Der „überwiegende Teil der Einwohner Deutschlands“ bediene sich täglich des Internets. Das Internet ist ein für die Lebensgestaltung prägendes Medium, dessen „Ausfall sich signifikant im Alltag bemerkbar macht“

(Bundesgerichtshof 2013)

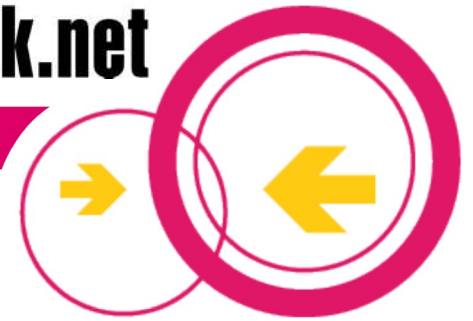


Human right on education

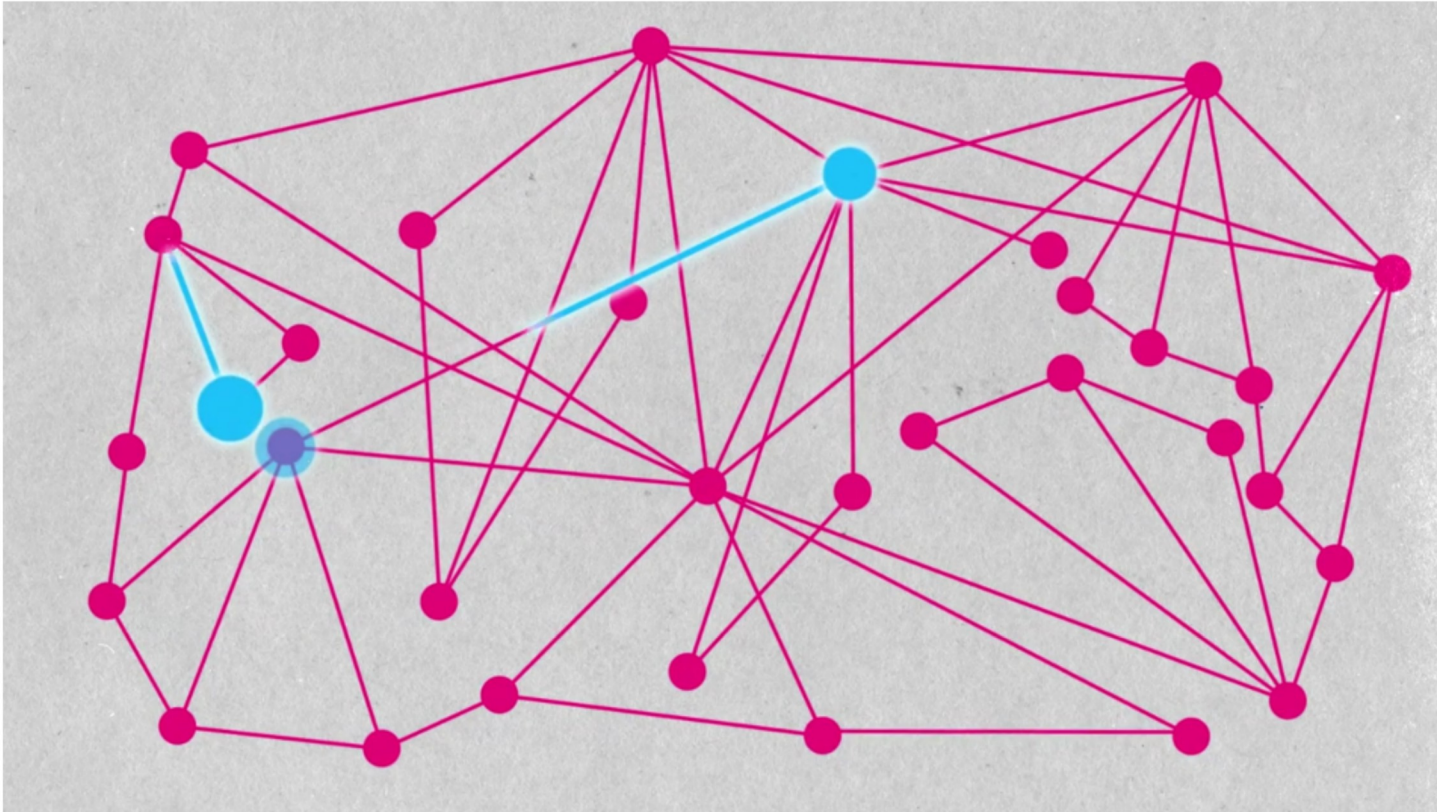
- Distinct cultural human right
- Central means to facilitate the realization of other human right

Human demand to access on education, equality of opportunities visiting schools.

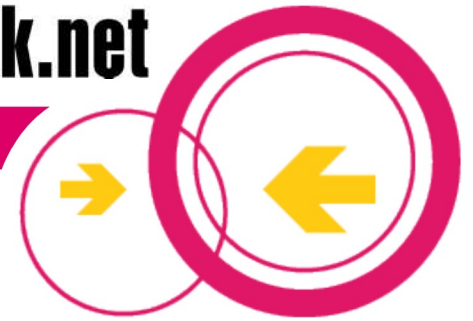
(Art. 28 Convention on the Rights of the Child, Art. 22 Convention Relating to the Status of Refugees)



Freifunk is not only free internet access, but much more...



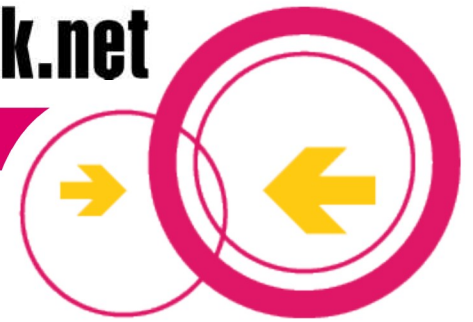
Video: Freifunk connects: https://www.youtube.com/watch?v=DrXJ9_ezSy4



What is Freifunk?

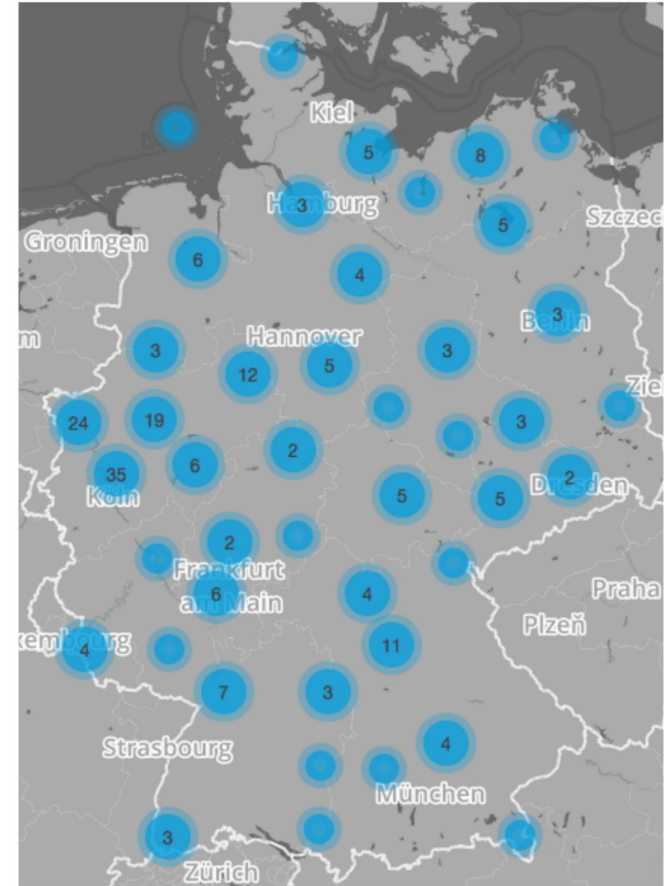
- **free** we understand as:
 - publicly and anonymously accessible
 - Non-commercial (no business model)
 - uncensored
 - Decentralized (to avoid concentration of power)
 - in the possession of a community

- **Network** we understand as
 - Communication between people using digital media (computers, data networks)

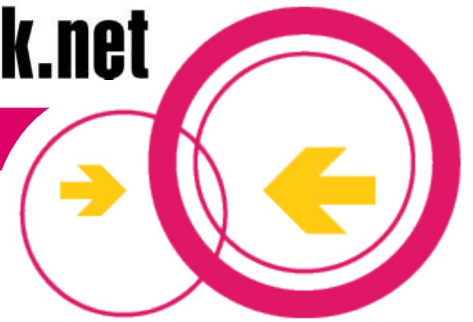


Free Networks – Why?

- **Freedom of information and communication** gets more and more restricted
- Hardened **digital divide**
- No affordable broadband internet available in “**Areas of market failure**”, e.g. sparsely peopled regions
- Public Wifi not working as business model

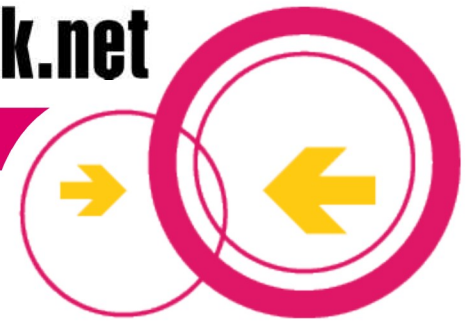


Today - 328 places with 35238 access nodes



Access for refugee camps

- 2012 – Berlin's Freifunk activists connect a protest camp at Oranienplatz
 - Hamburg Freifunk activists connect the Embassy of Hope
 - Blog posts in 2014 brings awareness to the communities
- <https://freifunk.net/en/blog/2015/02/better-working-for-the-people-than-being-against-someone/>
- In 2014 Förderverein freie Netzwerke and CCC initiate a support campaign for Refugees Emancipation e.V. and start to connect the tech community with refugees
 - Current status: >400 refugee and social projects connected



Freifunkas in Berlin
Bild: Faustus Kühnel



@suddengrey -
Rheinland
Bild: @nomaster



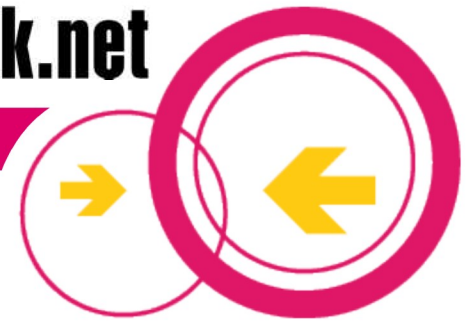
Matthias - Flüchtlings Schiff Transit Hamburg



Michel und Vahid - Magdeburg
Bild: Keywan Tonekaboni



Workshop mit Refugees Emancipation



Support us!

Be part of your local community. Next to technical tasks there's a lot to do!

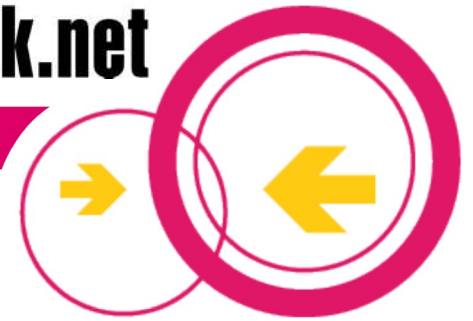
Join our political campaign

Radio Lockdown Directive

Since 2014 vendors should certify software running on their devices. That's complicated for free and open source software. Vendors will isolate their devices. There will be security risks.

Tell other free software projects about the alliance against the lockdown!

<https://fsfe.org/activities/radiodirective/statement.de.html>



„Störerhaftung“ - secondary liability

Störerhaftung in open Wifi networks → legal uncertainty

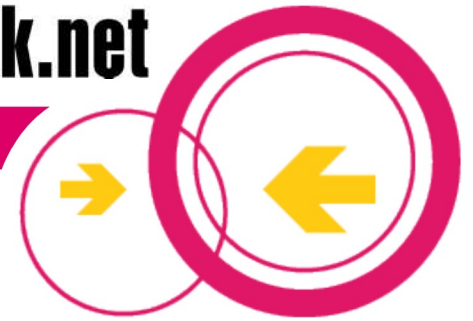
Changes in civil law recently, but we aren't happy with that

=> need to test the new law

<http://freifunkstattangst.de/>

Joint project with CCC and Förderverein freie Netzwerke:

Abmahnbeantworter – <http://abmahnbeantworter.ccc.de>



More information and contact at freifunk.net/en

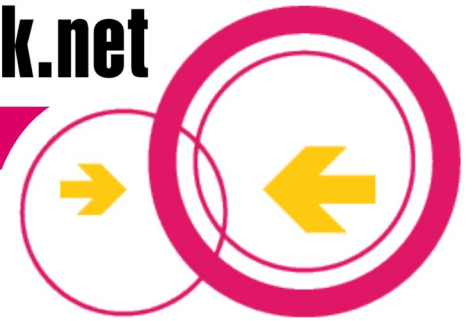


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Mesh networks and internal services

Andreas Bräu, freifunk.net
@evAltenberga

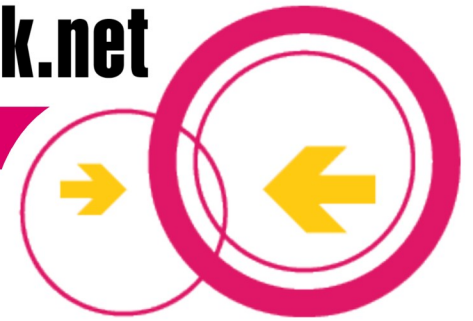




How does it work?



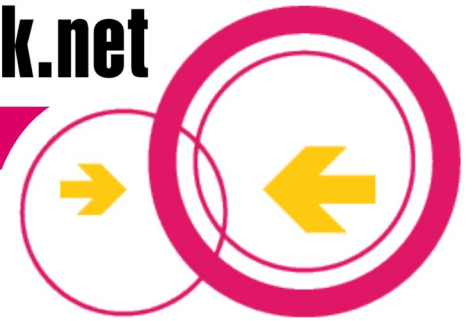
Router icon by Sergey Demushkin, CC-BY



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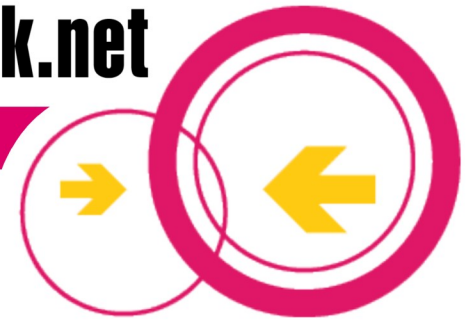
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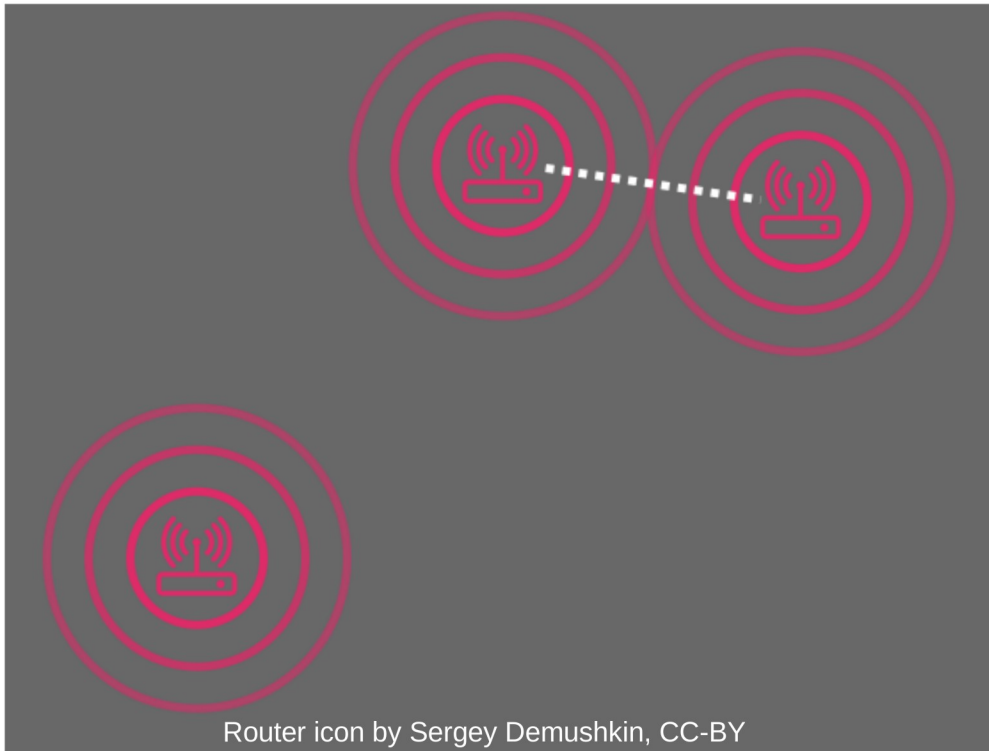
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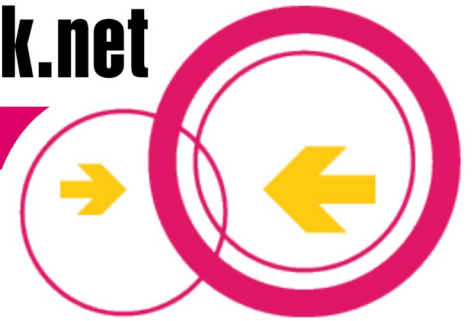
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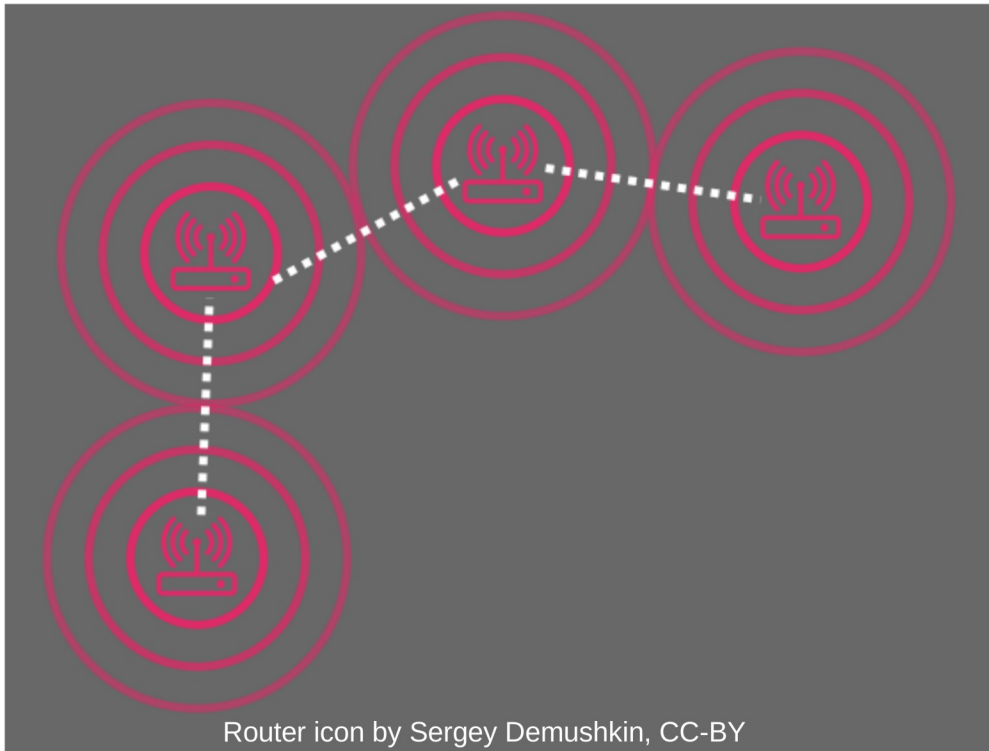
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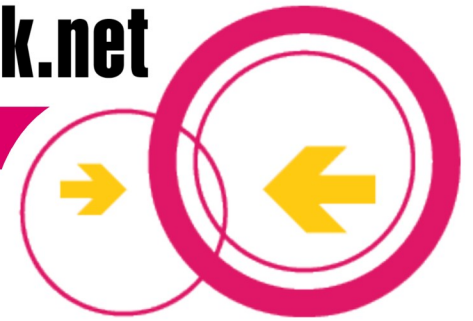


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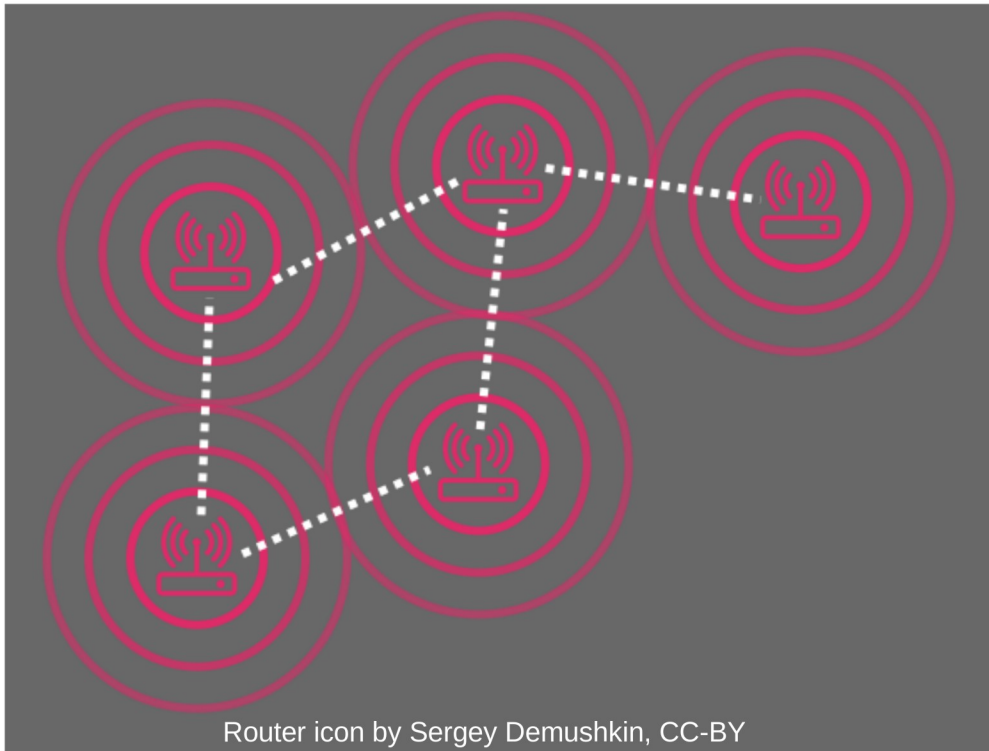


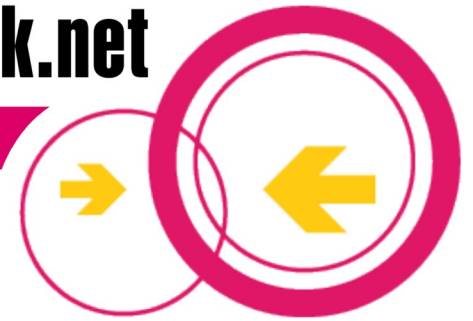
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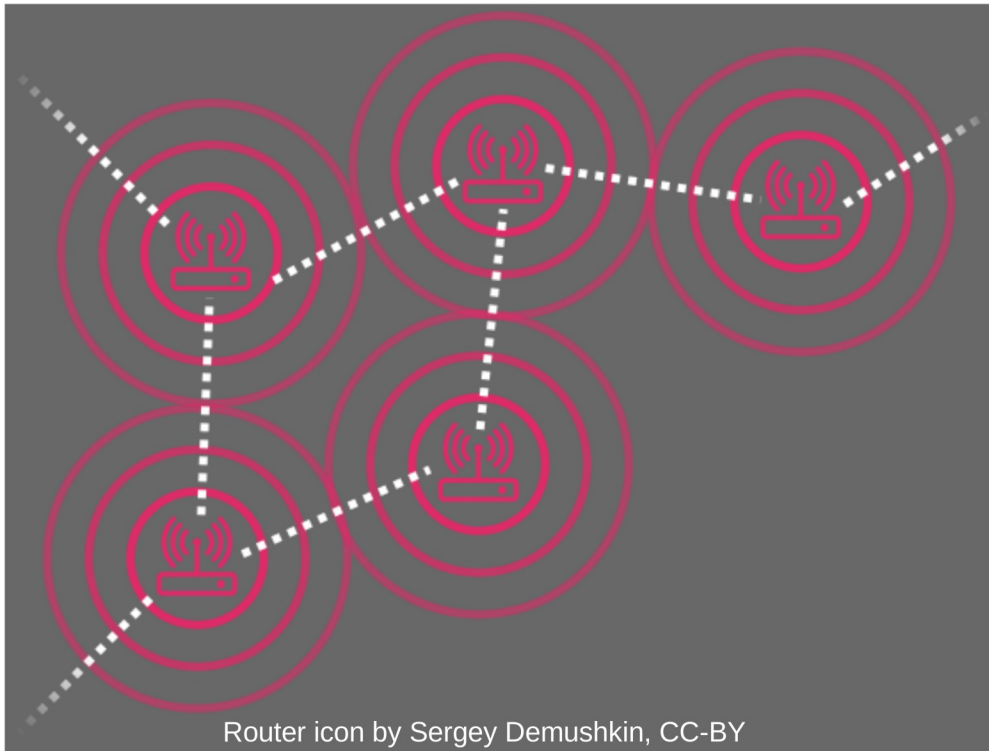


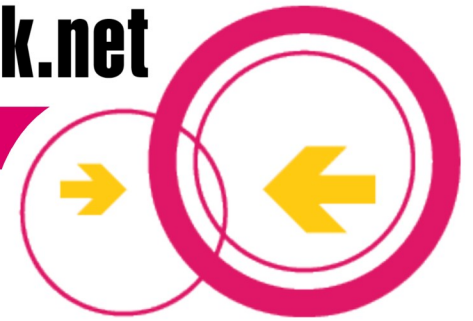
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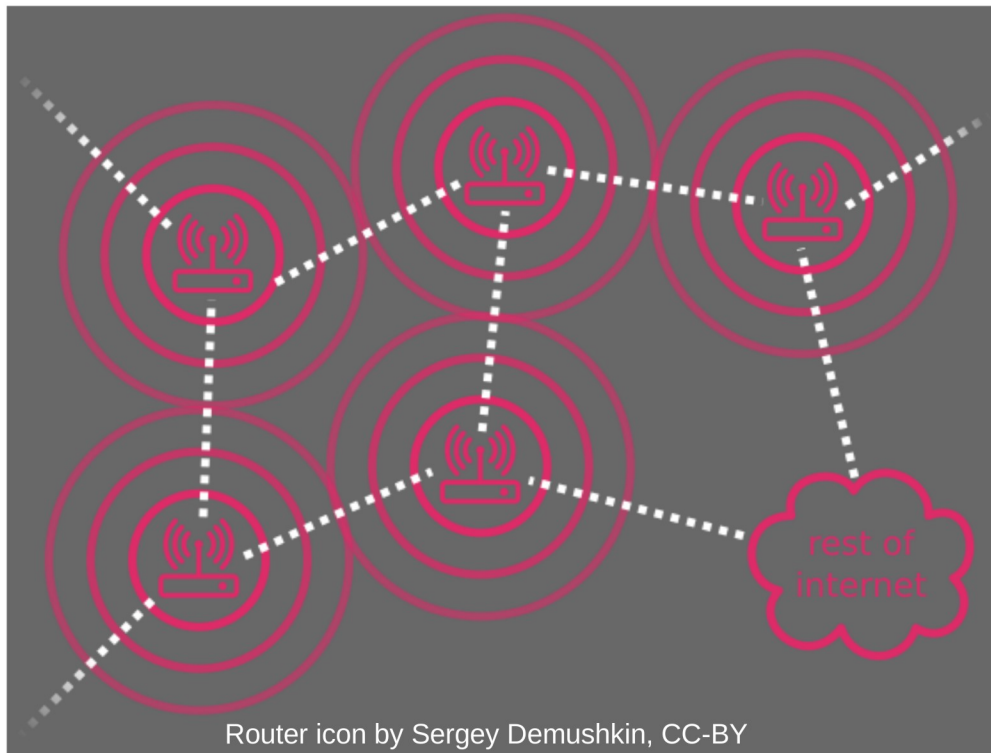


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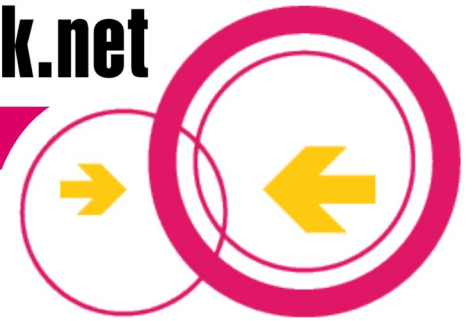




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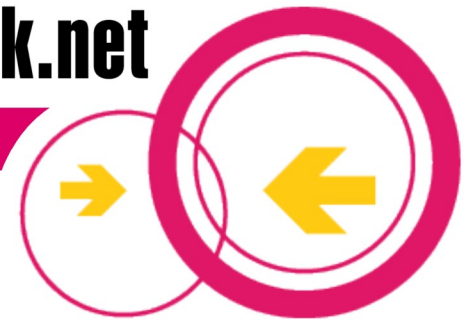


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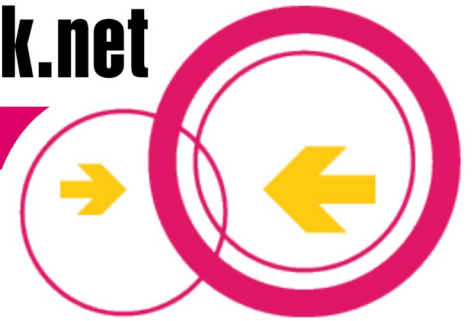
How does it work?

- Mesh networks +
- Routing algorithms =
- Self-organizing WIFI network



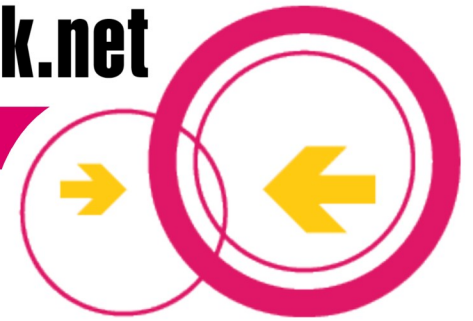
Services

- More than building networks
- Understand how the internet works
- Doing experiments and have fun with your devices



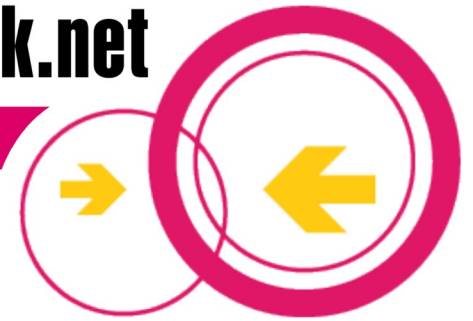
Motivation

- It is our network!
- Provide your own content and data
- Share knowlegde and information



Ideas

- Personal blogs
- Libraries with free music
- Sensor networks, weather and environment
- Video, chat and game servers



Thank you all for listening!

<https://freifunk.net>

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